

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Canceled)
2. (Currently Amended) The power supply of claim [[1]] 8, wherein the converter is a DC-DC converter.
3. (Previously Presented) The power supply of claim 2 wherein the converter is a boost converter.
4. (Currently Amended) The power supply of claim [[1]] 8 wherein the converter is a DC-DC flyback converter, including a ballast and a switch, ~~the~~ a duty cycle of the switch being controlled by an oscillator.
5. (Previously Presented) The power supply of claim 4 wherein the duty cycle of the switch is controlled by an electronic controller.
6. (Currently Amended) The power supply of claim [[1]] 8 wherein the first part is housed in a housing adapted to be mounted on a belt or harness to be worn by a user.
7. (Currently Amended) The power supply of claim [[1]] 8 wherein the first part is housed in a housing adapted to be mounted on the frame or body of a bicycle or a motor vehicle.
8. (Currently Amended) The power supply of claim 1 An arc lamp power supply including
a first part including a converter adapted to convert a low voltage power supply to provide
the arc running power supply suitable for running an arc lamp after an arc has been
struck;

a second part adapted to receive an output of said arc running power supply and to apply said power supply to an arc lamp, including means to effect a high voltage power supply suitable for starting an arc in an arc lamp; and

a flexible electric cable adapted to connect the first part to the second part, carrying the arc running power supply voltage.

wherein the means to effect a high voltage power supply includes a means to accumulate a voltage from said arc running power supply, a coil and means to apply this accumulated voltage in a pulse to the coil.

9. (Original) The power supply of claim 8 wherein the means to apply voltage in a pulse is a gas discharge tube.
10. (Original) The power supply of claim 8 wherein the means to apply voltage in a pulse is a switch.
11. (Original) The power supply of claim 8 wherein the means to accumulate voltage is a capacitor.
12. (Currently Amended) A power supply as in claim 1 An arc lamp power supply including
a first part including a converter adapted to convert a low voltage power supply to provide
the arc running power supply suitable for running an arc lamp after an arc has been
struck;

a second part adapted to receive an output of said arc running power supply and to apply said power supply to an arc lamp, including means to effect a high voltage power supply suitable for starting an arc in an arc lamp; and

a flexible electric cable adapted to connect the first part to the second part, carrying the arc running power supply voltage,

wherein the second part includes a capacitor, a gas discharge tube and a centre tapped transformer, wherein in use, the capacitor is charged by the arc running power supply until the breakdown voltage of the gas discharge tube is reached, whereupon the tube conducts, applying a voltage pulse to the centre tap on the transformer, thereby applying an arc striking voltage to a connected arc lamp.

13. (Currently Amended) The power supply according to claim [[1]] 8 wherein the cable has a rated breakdown voltage of 500V or less.
14. (Currently Amended) The power supply according to claim [[1]] 8 wherein the cable has a rated breakdown voltage of 300V or less.
15. (Currently Amended) The power supply according to claim [[1]] 8 wherein the low voltage power supply is a battery or batteries.
16. (Canceled)